

In the Specification

On page 10, line 12, after "PPPGRRP" please insert --(SEQ ID NO:1)--.

On page 10, line 12, after "GRGRGRGG" please insert --(SEQ ID NO:2)--.

On page 10, line 12, after "RGRGREK" please insert --(SEQ ID NO:3)--.

On page 10, line 15, after "white)." please insert --The peptides shown are, in order,

481 SEQ ID NO:4, SEQ ID NO:5, SEQ ID NO:6, SEQ ID NO:1, amino acids 1 to 8 of SEQ ID NO:9, SEQ ID NO:2, and SEQ ID NO:3.--.

On page 10, line 24, after "PPPGMRPP" please insert --(SEQ ID NO:4)--.

On page 10, line 25, after "PPPGIRGP" please insert --(SEQ ID NO:5)--.

On page 10, line 27, after "PPPGRRP-MAP™" please insert --(SEQ ID NO:1)--.

On page 10, line 29, after "Figure 5A" please insert --; SEQ ID NO:1--.

On page 10, line 29, after "Figure 5B" please insert --; SEQ ID NO:4--.

On page 10, line 34, after "PPPGRRP" please insert --(SEQ ID NO:1)--.

On page 11, line 4, after "PPPGRRP-MAP™" please insert --(SEQ ID NO:1)--.

On page 11, line 11, after "GAGAGAGAGAGAGAGAGAGAGA" please insert --(SEQ ID NO:7)--.

On page 13, line 29, after "PPPGRRP" please insert --(SEQ ID NO:1)--.

On page 13, line 32, after "PPPGMRPP" please insert --(SEQ ID NO:4)--.

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RESPONSE TO NOTICE TO COMPLY WITH
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 On page 13, line 34, after "PPPGRRP" please insert --(SEQ ID NO:1)--.

On page 13, line 34, after "PPPGMRPP" please insert --(SEQ ID NO:4)--.

On page 19, between lines 23 and 24, please insert a new row --F - phenylalanine

B2 N - asparagine W - tryptophan--.

On page 21, line 13, after "PPGMRPP" please insert --(SEQ ID NO:4)--.

On page 21, line 15, after "PPPGIRGP" please insert --(SEQ ID NO:5)--.

On page 24, line 3, after "PPPGMRPP" please insert --(SEQ ID NO:4)--.

On page 24, line 6, after "PPPGMRPP" please insert --(SEQ ID NO:4)--.

On page 24, line 13, after "MAP™" please insert --(SEQ ID NO:4)--.

On page 25, line 26, after "GAGAGAGAGAGAGAGAGAGAGAGA" please insert
--(SEQ ID NO:7)--.

On page 25, line 29, after "GAGAGAGAGAGAGAGAGAGAGAGA" please insert
--(SEQ ID NO:7)--.

On page 26, line 17, after "PPPGMRPP" please insert --(SEQ ID NO:4)--.

On page 28, line 14, after "PPPGMRPP" please insert --(SEQ ID NO:4)--.

On page 28, line 17, after "PPPGMRPP" please insert --(SEQ ID NO:4)--.

On page 28, line 17, after "PPPGIRGP" please insert --(SEQ ID NO:5)--.

On page 28, line 19, after "PPPGIRGP" please insert --(SEQ ID NO:5)--.

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 On page 28, line 19, after "PPPGMRGP" please insert ~~--(SEQ ID NO:8)--~~.

On page 28, line 31, after "Figure 3" please insert ~~--; SEQ ID NO:4--~~.

On page 28, line 32, after "PPPGRRP" please insert ~~--(SEQ ID NO:1)--~~.

On page 28, line 33, after "GRGRGRGG" please insert ~~--(SEQ ID NO:2)--~~.

On page 28, line 33, after "RGRGREK" please insert ~~--(SEQ ID NO:3)--~~.

On page 28, line 36, after "GRGRGRGRGRGRGRGRGRGRGGPRRR (" please insert
~~--SEQ ID NO:9; --~~.

On page 29, line 7, after "PPPGMRPP" please insert ~~--(SEQ ID NO:4)--~~.

On page 29, line 9, after "PPPGMRPP" please insert ~~--(SEQ ID NO:4)--~~.

 On page 29, line 13, after "PPPGMRPP" please insert ~~--(SEQ ID NO:4)--~~.

On page 29, line 15, after "PPPGMRPP" please insert ~~--(SEQ ID NO:4)--~~.

On page 29, line 18, after "PPPGMRPP" please insert ~~--(SEQ ID NO:4)--~~.

On page 29, line 20, after "PPPGMRPP" please insert ~~--(SEQ ID NO:4)--~~.

On page 29, line 25, after "PPPGMRPP" please insert ~~--(SEQ ID NO:4)--~~.

On page 29, line 26, after "PPPGMRPP" please insert ~~--(SEQ ID NO:4)--~~.

On page 29, line 29, after "PPPGMRPP" please insert ~~--(SEQ ID NO:4)--~~.

On page 29, line 32, after "PPPGMRPP" please insert ~~--(SEQ ID NO:4)--~~.

On page 29, line 35, after "PPPGMRPP" please insert ~~--(SEQ ID NO:4)--~~.

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~~4A~~
4B4 On page 30, line 1, after "PPPGMRPP" please insert ~~-(SEQ ID NO:4)--~~.

On page 30, line 7, after "PPPGMRPP" please insert ~~-(SEQ ID NO:4)--~~.

On page 30, line 8, replace "PPPGMRPP-MAP™" with ~~PPPGMRPP-MAP™~~ (SEQ ID NO:4)--.

On page 30, line 11, after "PPPGMRPP" please insert ~~-(SEQ ID NO:4)--~~.

On page 30, line 20, after "PPPGMRPP" please insert ~~-(SEQ ID NO:4)--~~.

On page 30, line 23, after "PPPGRRP" please insert ~~-(SEQ ID NO:1)--~~.

On page 30, line 25, after "PPPGMRPP" please insert ~~-(SEQ ID NO:4)--~~.

On page 30, line 27, after "PPPGRRP-MAP™" please insert ~~-(SEQ ID NO:1)--~~.

On page 30, line 28, please replace "PPPGRMPP-MAP™" with ~~PPPGMRPP-MAP™~~

4B6 (SEQ ID NO:4)--.

On page 30, line 29, after "PPPGMRPP" please insert ~~-(SEQ ID NO:4)--~~.

On page 31, line 2, after "PPPGRRP" please insert ~~-(SEQ ID NO:1)--~~.

On page 31, line 4, after "PPPGRRP" please insert ~~-(SEQ ID NO:1)--~~.

On page 31, line 4, after "PPPGMRPP" please insert ~~-(SEQ ID NO:4)--~~.

On page 31, line 11, after "PPPGRRP" please insert ~~-(SEQ ID NO:1)--~~.

On page 31, line 11, after "PPPGMRPP" please insert ~~-(SEQ ID NO:4)--~~.

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On page 31, line 15, after "PPPGMRPP-MAP™" please insert ~~-(SEQ ID NO:4)--~~.

~~48~~
On page 31, line 18, after "PPPGMRPP-MAP™" please insert --(SEQ ID NO:4)--.

On page 43, line 17, after "CCAGAGGTAAGTGGACTT-3'" please insert --(SEQ ID NO:10)--.

On page 43, line 18, please replace "CCAGAGGTAAGTGGACTT-3'" with
--GACCGGTGCCTTCTTAGG-3'(SEQ ID NO:11)--.

B8
On page 43, line 20, after "GTGGGTGGGCAG)*-3'" please insert --(SEQ ID NO:12)--.

On page 46, line 14, after "PPPGRRP" please insert --(SEQ ID NO:1)--.

On page 46, line 14, after "GRGRGRGG" please insert --(SEQ ID NO:2)--.

On page 46, line 14, after "RGRGREK" please insert --(SEQ ID NO:3)--.

On page 46, line 16, after "GAGAGAGAGAGAGAGAGAGAGA" please insert
--GA (SEQ ID NO:7)--.

On page 47, line 17, please replace "5" with --6--.

On page 48, line 1, please replace "5" with --6--.

On page 48, please replace lines 5-31 with

Octapeptide Number	Sequence	Vaughan
<u>B9</u> 30-48	GPQRRGGDNHGRGRGRGRGGGRPG (SEQ ID NO:13)	
58-70	GGSGSGPRHRDGVRRPQKRP (SEQ ID NO:14)	
72	RPQKRPS (SEQ ID NO:15)	

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4B9

74-83	QKRPSICGCKGTHGGTG (SEQ ID NO:16)	
88-93	GTGAGAGARGRGG (SEQ ID NO:17)	
334	SGGRGRGG (SEQ ID NO:18)	e1*
347-351	RGGSGGRRGRGR (SEQ ID NO:19)	
368-376	RARGRGRGRGEKRPRS (SEQ ID NO:20)	e4*
388-394	SSSSGSPPRRPPPGR (SEQ ID NO:21)	
397-414	RPPPGRRPFFHPVGEADYFEYHQEG (SEQ ID NO:22)	
427	PDVPPGAI (SEQ ID NO:23)	
431	PGAIEQGPA (SEQ ID NO:24)	
445	GPSTGPRG (SEQ ID NO:25)	
452-453	GQGDGGRRK (SEQ ID NO:26)	e14*
455-462	DGGRRKKGGWFGKHR (SEQ ID NO:27)	e14*
466-468	GKHRGQGGSN (SEQ ID NO:28)	e11*
470	GQGGSNPK (SEQ ID NO:29)	
475	NPKFENIA (SEQ ID NO:30)	
491	RSHVERTT (SEQ ID NO:31)	
508	VFVYGGSKT (SEQ ID NO:32)	
512-513	GSKTSLYNL (SEQ ID NO:33)	
542	GMAPGPGP (SEQ ID NO:34)	e12*
549	PQPGPLRE (SEQ ID NO:35)	
591	CNIRVTVC (SEQ ID NO:36)	
594-596	RVTVCSEFDDG (SEQ ID NO:37)	
607-608	PPWFPPMVEG (SEQ ID NO:38)	e10*